Title (en)

Aprotinin variants with improved properties

Title (de)

Aprotinin-Varianten mit verbesserten Eigenschaften

Title (fr)

Variantes d'aprotinin ayant des propriétés améliorées

Publication

EP 0821007 A3 19981118 (DE)

Application

EP 97111980 A 19970714

Priority

DE 19629982 A 19960725

Abstract (en)

[origin: EP0821007A2] Aprotinin variants having a net charge of +3 to -3 and containing the amino acids Arg15 or Arg15-Ala17 in the binding region are new.

IPC 1-7

C07K 14/81; A61K 38/57

IPC 8 full level

C12N 15/09 (2006.01); **A61K 38/04** (2006.01); **A61K 38/10** (2006.01); **A61K 38/55** (2006.01); **A61K 38/57** (2006.01); **A61P 7/04** (2006.01); **A61P 17/00** (2006.01); **A61P 29/00** (2006.01); **A61P 43/00** (2006.01); **C07K 14/00** (2006.01); **C07K 14/81** (2006.01); **C12N 15/15** (2006.01); A61K 38/00 (2006.01)

CPC (source: EP KR US)

A61K 38/16 (2013.01 - KR); **A61P 7/04** (2017.12 - EP); **A61P 17/00** (2017.12 - EP); **A61P 29/00** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07K 14/81** (2013.01 - KR); **C07K 14/8114** (2013.01 - EP US); **C07K 14/8117** (2013.01 - EP US); A61K 38/00 (2013.01 - EP US)

Citation (search report)

- [DXY] EP 0419878 A1 19910403 - BAYER AG [DE]
- [DXY] EP 0132732 A2 19850213 - BAYER AG [DE]
- [DXY] EP 0339942 A2 19891102 - NOVO NORDISK AS [DK]
- [DY] WO 9206111 A1 19920416 - NOVO NORDISK AS [DK]
- [PY] US 5621074 A 19970415 - BJ RN SOREN E [DK], et al

Cited by

DE102007056231A1; WO9856916A1; WO2008110301A1; WO2008077478A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0821007 A2 19980128; **EP 0821007 A3 19981118**; **EP 0821007 B1 20040303**; AR 008783 A1 20000223; AT E260975 T1 20040315; AU 2870197 A 19980205; AU 5178701 A 20010906; AU 762041 B2 20030619; BG 101787 A 19981030; BR 9704068 A 19990105; CA 2207071 A1 19980125; CN 1172116 A 19980204; CO 4890857 A1 20000228; CZ 236797 A3 19980218; DE 19629982 A1 19980129; DE 59711356 D1 20040408; DZ 2276 A1 20021218; EE 9700177 A 19980216; ES 2217350 T3 20041101; HN 1997000094 A 19971226; HR P970384 A2 19980430; HU 9701290 D0 19970929; HU P9701290 A2 19990628; HU P9701290 A3 20000828; ID 17508 A 19980108; IL 121361 A0 19980104; JP H10101700 A 19980421; KR 980009283 A 19980430; MA 24279 A1 19980401; MX 9705605 A 19980830; NO 973426 D0 19970724; NO 973426 L 19980126; NZ 328402 A 19990329; PE 92298 A1 19990213; PL 321341 A1 19980202; RU 2197983 C2 20030210; SG 71714 A1 20000418; SK 101997 A3 19980304; SV 1997000068 A 19980709; TN SN97130 A1 20050315; TR 199700688 A2 19980221; TW 480271 B 20020321; UA 55380 C2 20030415; US 2002103334 A1 20020801; US 2003096752 A1 20030522; US 6482798 B2 20021119; YU 31697 A 19990728; ZA 976585 B 19980203

DOCDB simple family (application)

EP 97111980 A 19970714; AR P970103329 A 19970723; AT 97111980 T 19970714; AU 2870197 A 19970717; AU 5178701 A 20010606; BG 10178797 A 19970722; BR 9704068 A 19970724; CA 2207071 A 19970722; CN 97115348 A 19970725; CO 97042648 A 19970725; CZ 236797 A 19970724; DE 19629982 A 19960725; DE 59711356 T 19970714; DZ 970126 A 19970723; EE 9700177 A 19970724; ES 97111980 T 19970714; HN 1997000094 A 19970620; HR P970384 A 19970715; HU P9701290 A 19970724; ID 972548 A 19970722; IL 12136197 A 19970722; JP 21019797 A 19970722; KR 19970034643 A 19970724; MA 24733 A 19970724; MX 9705605 A 19970724; NO 973426 A 19970724; NZ 32840297 A 19970723; PE 00066197 A 19970724; PL 32134197 A 19970725; RU 97112745 A 19970724; SG 1997002627 A 19970724; SK 101997 A 19970724; SV 1997000068 A 19970721; TN SN97130 A 19970724; TR 9700688 A 19970725; TW 86110514 A 19970724; UA 97073949 A 19970724; US 25296702 A 20020923; US 89632297 A 19970717; YU 31697 A 19970723; ZA 976585 A 19970724